



XML Registry Enhancements

Preview

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XML Registry Homepage

Faster
Access


DII COE XML Registry - Microsoft Internet Explorer - [Working Offline]

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DII COE DATA EMPORIUM

XML Registry

XML registries are a vital component in the implementation of shared data exchanges. DII COE developers looking to express information using XML need support in establishing common lexicons and grammars. This Registry enables the consistent use of XML, both vertically within projects and horizontally across organizations.

The DII COE XML Registry constitutes guidance in the generation and use of XML within the COE v4.x data environment and is the authoritative source for approved XML data and metadata components.

[What is XML?](#)

[Tell me more about the XML Registry.](#)

[Show me the DII COE Namespaces.](#)

[Find XML tags in the XML Registry.](#)

[How do I submit items to the XML Registry?](#)

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xmlregistry@fgm.com

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Types of Information Resources

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The Namespace Manager's responsibilities will include the transitioning of information resources from one status to another. [Table 1](#) lists the valid types of information resources. The status levels are developmental, candidate, approved, rejected, deprecated, and retired.

Table 1 - Information Resource Types

Information Resource Type	Registry Manifest Document Term	Description
XML Element	InformationResourceTypeXMLElement	An XML tag, either complex or a terminal node (A container element or data element).
XML Attribute	InformationResourceTypeXMLAttribute	An XML attribute that may be associated with 1 or more XML elements.
Document	InformationResourceTypeDocument	A Word, PDF or ASCII text document (.doc, .pdf, .txt) document that may be associated with one or more information resources
Domain Document	InformationResourceTypeDomainDocument	A document containing the valid domain values for an XML Element or XML Attribute. This document is also a XML file adhering to the registry_domain_values.dtd
Schema Document	InformationResourceTypeXMLschema	A schema document such as a DTD that describes the structure of a document. The following types are currently supported (DTD, RDF, SOX, XDR, DCD, DML, BIZ, XSD, OSC)
Package	Package	A logical collection of tags, attributes and documents that are submitted to the XML registry.

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Submission Instructions

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How to Submit XML Tags

XML Components

- Register yourself as a user of the XML Registry and select the option indicating you want to register tags. [Click here](#) to go to the user registration screen.
- Determine which [Namespace](#) your tags belong in. If you have questions, you should contact the Namespace Administrator for further guidance. Additional guidance can be found by contacting the [COE Enterprise Namespace Manager](#).
- Review the tags already in the XML Registry and determine whether they meet your needs.
- Build a submission package. [Instructions are available here](#). The example submission package is an excellent starting point for creation of your package. [Click here](#) to download the example submission package.
- Once your package is ready for submission, you should verify your package is in the appropriate format and contains no errors. Use the on-line package verifier which will display any errors found. Your package will process correctly if no errors are reported. Jump to the package verifier page using by [clicking here](#).
- ~~Send your package to xmlregistry_processor@fym.com, as an attachment. This step is not necessary if you use the submission option during verification.~~
- You should receive e-mail verification within 3 working days once your package has processed correctly.

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Namespace List


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DII COE DATA EMPORIUM

XML Registry

DII/COE NAMESPACES

Namespace	Status	URL
AOP - Aerospace Operations	Developmental	
COE - COE Enterprise	Developmental	http://diides.ncr.disa.mil
CSS - Combat Support	Developmental	
FIN - Finance and Accounting	Developmental	
GEO - Geospatial and Imagery	Developmental	
GMI - General Military Intelligence	Developmental	
GOP - Ground Operations	Developmental	
MET - Meteorological and Oceanographic	Developmental	
MSG - Messages	Developmental	http://www.usmtf.itsi.disa.mil
PER - Personnel	Developmental	
TAR - Tracks and Reports	Developmental	

What is a Namespace?

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Namespace Manager Page

XML Registry

Namespace Information

Abbreviation: AOP
Namespace: Aerospace Operations
Status: Developmental
Administrator: [Ray Spinoso](#)
Administrator E-mail: ray.spinoso@hanscom.af.mil

View Information Resources for Aerospace Operations using the selection criteria below.

Word or Phrase <input type="text"/>	Fields All
Submitter All	Status All
Information Resource Type All	Version All

[View Information Resources](#)

Done Local intranet



Information Resources Recorded in a Namespace

XML Registry
Search Results:
(12 Records)

Submission Packages for Aerospace Operations
[DMDSCV Package](#) (v.1.0.0)
Data Movement Document Service Package

Documents for Aerospace Operations
[DataMovementDocExample](#) (v.1.0.0)
Data Movement Example Document
[DMDSCV Package Manifest](#) (v.1.0.0)
Data Movement Document Service Package

XML Elements for Aerospace Operations
[dmdsvc_byte_count](#) (v.1.0.0)
The byte count of the file
[dmdsvc_crc_check](#) (v.1.0.0)
The CRC check value
[dmdsvc_from_address](#) (v.1.0.0)
The Address of the sending Machine
[dmdsvc_header_block](#) (v.1.0.0)
Header for the dmdsvc xml file
[dmdsvc_marker](#) (v.1.0.0)
The marker for the processable file
[dmdsvc_seq_number](#) (v.1.0.0)
The Sequence number
[dmdsvc_sql](#) (v.1.0.0)
The SQL string
[dmdsvc_transaction](#) (v.1.0.0)
The transaction data

XML schemas for Aerospace Operations
[dmdsvc_DTD](#) (v.1.0.0)
A DTD that specifies the structure of a Data Movement Document

Navigation links: Home Page, COE Home, What's New, Reference Data Sets, DB Segments, XML Registry, Tools, Search, Info Desk, Registration, Links.

Address bar: reg/search_action.cfm?adv=yes&NAMESPACE_ID=33&phrase=&fields=All&person_id=All&STATUS_CD=All&IR_TYPE_CD=All&VERSION_NUM=All

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Information about an Information Resource

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DII COE DATA EMPORIUM

XML Registry

dmdsvc_DTD (1.0.0)

Definition: A DTD that specifies the structure of a Data Movement Document

Status: Developmental

NAMESPACE: Aerospace Operations

Type: XML schema

Sec. Class: Unclassified

Effective Date: 23-Aug-00

Submitter: Duane Cramer

[Download dmdsvc_DTD](#)

[Relationship](#)

Package that defines this schema.
[DMDSCV Package](#) (v.1.0.0)
Data Movement Document Service Package

Elements used by this schema.
[dmdsvc_marker](#) (v.1.0.0)
The marker for the processable file

Done Local intranet



Downloaded DTD

```
dmdsvc[2] - Notepad
File Edit Format Help
<?xml version="1.0" encoding="UTF-8" ?>

<!-- _____ -->
<!-- _____ -->
<!-- _____ -->
<!-- _____ -->
<!-- _____ -->

<!ELEMENT dmdsvc_marker (dmdsvc_header_block, dmdsvc_transaction) >

<!-- _____ -->
<!-- _____ -->
<!-- _____ -->
<!-- _____ -->
<!-- _____ -->

<!ELEMENT dmdsvc_header_block (dmdsvc_from_address, dmdsvc_seq_number,
                                dmdsvc_crc_check, dmdsvc_byte_count) >

<!ELEMENT dmdsvc_from_address (#PCDATA)>
<!ELEMENT dmdsvc_seq_number (#PCDATA)>
<!ELEMENT dmdsvc_crc_check (#PCDATA)>
<!ELEMENT dmdsvc_byte_count (#PCDATA)>

<!-- _____ -->
<!-- _____ -->
<!-- _____ -->
<!-- _____ -->

<!ELEMENT dmdsvc_transaction (dmdsvc_sq1+)>
<!ELEMENT dmdsvc_sq1 (#PCDATA)>
```



Good Submission Quality = Good Registry Metadata Quality

Internet Explorer window showing the XML Registry search results page. The address bar displays a search URL: `http://reg/search_action.cfm?adv=yes&NAMESPACE_ID=35&phrase=&fields=All&person_id=All&STATUS_CD=All&IR_TYPE_CD=1&VERSION_NUM=All`.

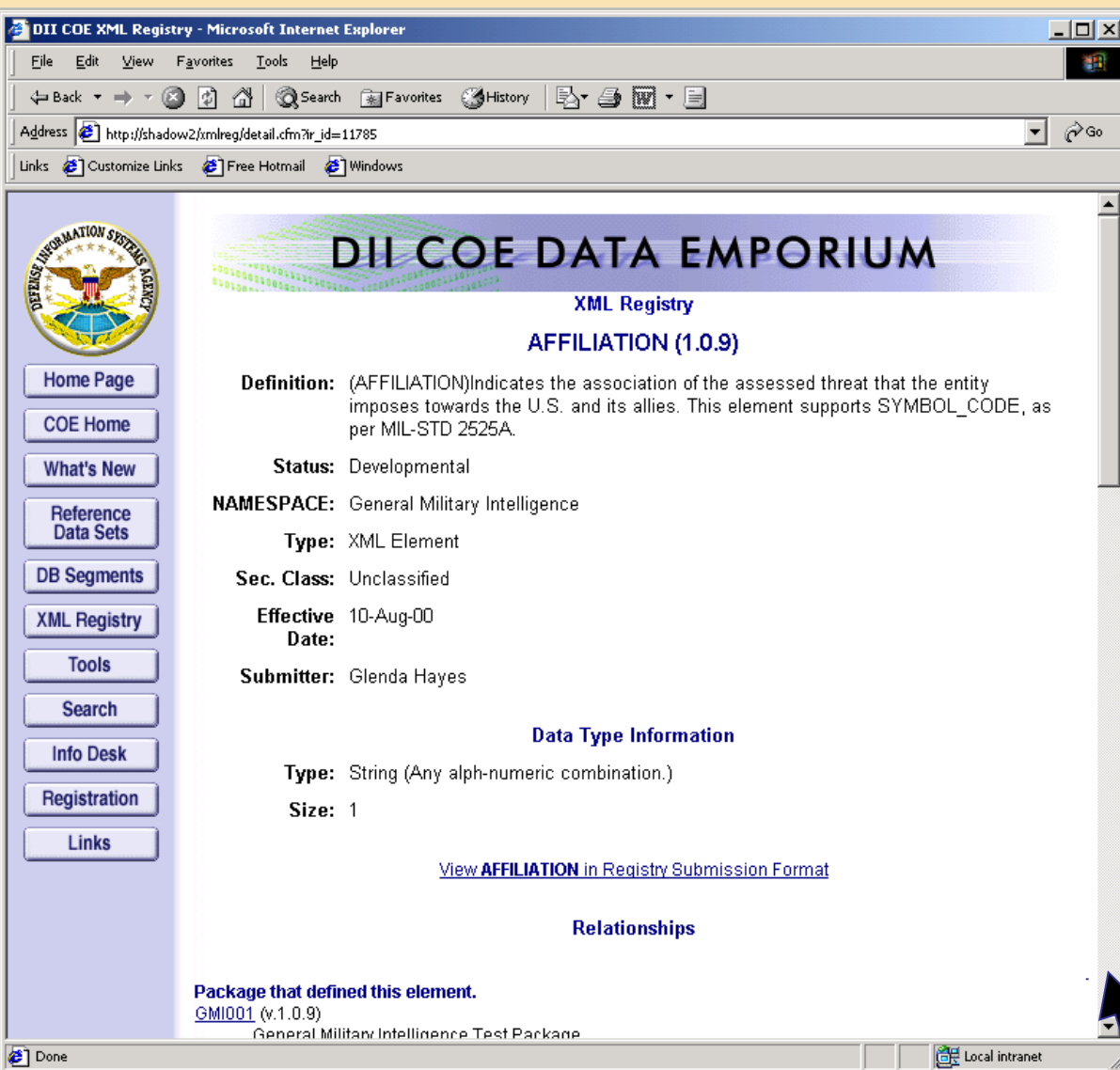
Search Results:
(1242 Records)

XML Elements for General Military Intelligence

- ABANDONED_QUANTITY** (v.1.0.9)
(QTY ABANDONED)The observed number that have been abandoned.
- ACCESSIBLE** (v.1.0.9)
(ACCESS)Indicates the access restrictions and/or the condition of the approach to the entity. Restrictions may be natural or seasonal, such as ICE blocked ports, or may be man made such as fences and guards.
- ACQUIRED_COUNTRY** (v.1.0.9)
(ACQUIRED CC)Specifies the DoD standard country code of the country from which the equipment was acquired.
- ACQUIRED_DATE** (v.1.0.9)
(ACQUIRED DATE)At a minimum, the century, year and month that equipment was acquired.
- ACTIVITY** (v.1.0.9)
(ACTIVITY)Indicates the function or mission of an entity, which that entity may or may not be engaged in at the moment. Typically refers to a unit, organization, or installation / facility performing a specific function or mission such as a redistribution center or naval shipyard.
- ACTIVITY_DESCRIPTION** (v.1.0.9)
(ACTIVITY DESCR)A textual description of the activity being observed or tracked.
- ACTIVITY_TYPE** (v.1.0.9)
(ACTIVITY TYPE)Currently, this is used to describe educational activities of an individual. This element reflects the type of qualification, e.g. the certificate or diploma, the individual obtained as a result of an educational program.
- ACTIVITY_VALUE** (v.1.0.9)
(ACTIVITY VALUE)Currently, this is used to describe educational activities of an individual. This element describes the name of the educational institution of higher learning from which a qualification was conferred on the individual.
- ADDRESS_NAME** (v.1.0.9)
(ADDRESS NAME)The name of the address or the name of the object at the address. For example, 'The White House'.
- AFFILIATION** (v.1.0.9)
(AFFILIATION)Indicates the association of the assessed threat that the entity imposes towards the U.S. and its allies. This element supports SYMBOL_CODE, as per MIL-STD 2525A.
- AIRCRAFT_ADDITIONAL_FACTORS** (v.1.0.9)
(ACFT ADD FACTORS)Additional Factors Affecting Aircraft Accuracy. Applicable only with unguided



Metadata for an XML Element




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XML Registry

AFFILIATION (1.0.9)

Definition: (AFFILIATION)Indicates the association of the assessed threat that the entity imposes towards the U.S. and its allies. This element supports SYMBOL_CODE, as per MIL-STD 2525A.

Status: Developmental

NAMESPACE: General Military Intelligence

Type: XML Element

Sec. Class: Unclassified

Effective Date: 10-Aug-00

Submitter: Glenda Hayes

Data Type Information

Type: String (Any alph-numeric combination.)

Size: 1

[View AFFILIATION in Registry Submission Format](#)

Relationships

Package that defined this element.

[GMI001](#) (v.1.0.9)

General Military Intelligence Test Package



Relationships Link Information Resources

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type: String (Any alphanumeric combination.)

Size: 1

[View AFFILIATION in Registry Submission Format](#)

Relationships

Package that defined this element.

[GMI001](#) (v.1.0.9)
General Military Intelligence Test Package

Domain values for this element.

[CON_AFFILIATION](#) (v.1.0.9)
Domain values for AFFILIATION

Elements that contain this element.

[EQP](#) (v.1.0.9)
(EQUIPMENT) This table contains data about a specific type of equipment or functional component in a specific location.

[EQP_GEODETTIC](#) (v.1.0.9)
(EQUIPMENT_GEODETTIC) This table contains geodetic locational information for a given entity.

[EVENT_LOC](#) (v.1.0.9)
(EVENT_LOCATION) This table contains information about the location of an event, such as coordinates and elevation.

[FAC](#) (v.1.0.9)
(FACILITY) This table contains data about a facility or an installation. A facility is defined as 'a real property performing a unique function that consists of one ore more of the following: a building, a structure, a utility system, pavement, and underly

[FAC_ANNEX](#) (v.1.0.9)
(FACILITY_ANNEX) This table contains information about the location and form of a facility annex or sub-component. For example, the annex could be an exit from the facility, or a hazard or an obstruction related to the facility.

[FAC_BEACH](#) (v.1.0.9)
(FACILITY_BEACH) This table contains information about a facility beach.

[FAC_GEODETTIC](#) (v.1.0.9)
(FACILITY_GEODETTIC) This table contains geodetic locational information for a given entity.

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Registry Metadata for a Domain Document

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CON_AFFILIATION (1.0.9)

Definition: Domain Values for AFFILIATION

Status: Developmental

NAMESPACE: General Military Intelligence

Type: Domain Value Document

Sec. Class: Unclassified

Effective Date: 10-Aug-00

Submitter: Glenda Hayes

[View CON_AFFILIATION as XML data](#)

[View CON_AFFILIATION Domain Values in a table](#)

Relationships

Package that defines this domain value set.

[GM1001](#) (v.1.0.9)
General Military Intelligence Test Package

Elements that are constrained by this domain value set.

[AFFILIATION](#) (v.1.0.9)
(AFFILIATION)Indicates the association of the assessed threat that the entity imposes towards the U.S. and its allies. This element supports SYMBOL_CODE, as per MIL-STD 2525A.

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Domain Document (as raw XML)

```
<?xml version="1.0" ?>
<!DOCTYPE DomainValueSet (View Source for full doctype...)>
- <DomainValueSet>
  <EffectiveDate>08/10/2000</EffectiveDate>
  <SecurityClassification>Unclassified</SecurityClassification>
  <Definition>Domain Values for AFFILIATION</Definition>
  <Namespace>COE</Namespace>
  <InformationResourceName>CON_AFFILIATION</InformationResourceName>
  <InformationResourceVersion>1.0.0</InformationResourceVersion>
  - <DomainValues>
    - <DomainValue security_classification="Unclassified">
      <KeyValue>A</KeyValue>
      <Description>Assumed Friend</Description>
    </DomainValue>
    - <DomainValue security_classification="Unclassified">
      <KeyValue>K</KeyValue>
      <Description>Faker</Description>
    </DomainValue>
    - <DomainValue security_classification="Unclassified">
      <KeyValue>F</KeyValue>
      <Description>Friend</Description>
    </DomainValue>
    - <DomainValue security_classification="Unclassified">
      <KeyValue>H</KeyValue>
      <Description>Hostile</Description>
    </DomainValue>
    - <DomainValue security_classification="Unclassified">
      <KeyValue>J</KeyValue>
      <Description>Joker</Description>
    </DomainValue>
    - <DomainValue security_classification="Unclassified">
      <KeyValue>N</KeyValue>
      <Description>Neutral</Description>
    </DomainValue>
  </DomainValues>
</DomainValueSet>
```



(XML) Domain Document Rendered (via XSL) to Browser

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Address http://shadow2/xmlreg/XMLTransform.cfm?IR_LOCATION_TX=GMI/GMI001/968880581661/CON_AFFILIATION.xml Go

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XML Registry

CON_AFFILIATION

Key Value	Description
A	Assumed Friend
K	Faker
F	Friend
H	Hostile
J	Joker
N	Neutral
D	None Specified
P	Pending
S	Suspect
O	Other. Explain in Remarks.
U	Unknown
Z	Inconclusive Analysis

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Browser



Domain Docs Recorded in GMI Namespace


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 **XML Registry Search Results:**
(205 Records)

Domain Value Documents for General Military Intelligence

[CON ACCESS](#) (v.1.0.9)
Domain Values for ACCESS

[CON ACFT_ADD_FACTORS](#) (v.1.0.9)
Domain Values for ACFT_ADD_FACTORS

[CON ACFT_MECHANIZATION](#) (v.1.0.9)
Domain Values for ACFT_MECHANIZATION

[CON ACFT_MODE](#) (v.1.0.9)
Domain Values for ACFT_MODE

[CON ACTIVITY](#) (v.1.0.9)
Domain Values for ACTIVITY

[CON ACTIVITY_TYPE](#) (v.1.0.9)
Domain Values for ACTIVITY_TYPE

[CON AFFILIATION](#) (v.1.0.9)
Domain Values for AFFILIATION

[CON AKA_TYPE](#) (v.1.0.9)
@col IN ('AKA', 'ALT', 'ASM', 'BCN', 'BTHN', 'CN', 'CIV', 'CAOC', 'CMN', 'CID', 'CIDP', 'CSD', 'CSDP', 'CSN', 'COS', 'COVD', 'ND', 'NAT', 'NUN', 'ELT', 'EEA', 'MAIL', 'EPL', 'OEC', 'NAMQ', 'CFE', 'NICQ', 'EQP') or @col IN ('AEQ', 'FAX', 'FACN', 'FPN', 'FS

[CON ALERT](#) (v.1.0.9)
Domain Values for ALERT

[CON ANCHORAGE](#) (v.1.0.9)
Domain Values for ANCHORAGE

[CON ANNEX_TYPE](#) (v.1.0.9)
@col IN ('ARCHIP', 'BAR', 'BREEF', 'BCHSWL', 'BRKSEA', 'BRKWTR', 'BLDG', 'BUOY', 'BYPASS', 'CABANA', 'CABLE', 'CANYON', 'CORAL', 'CRSCTY', 'FENCE', 'FSHNET', 'GROIN', 'GULLY', 'HDLAND', 'ICE', 'INLET', 'ISLAND') or @col IN ('ISLET', 'JETTY', 'MIL', 'MINE

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“Generic” Documents as Information Resources

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Submission Packages for Combat Support
[Load Ldgrbudget](#) (v.0.0.3)
The purpose of the LOAD LDGRBUDGET Business Object Document is to transmit budget amounts from all possible source applications throughout an enterprise to a general ledger or budget application.

Domain Value Documents for Combat Support
[OAG Nouns](#) (v.0.0.3)
Appendix B of Section 4 of the OAGIS specification. Defines OAG Noun domain values
[OAG Verbs](#) (v.0.0.3)
Appendix E of Section 4 of the OAGIS specification. Defines OAG Verb domain values.

Documents for Combat Support
[Load Ldgrbudget](#) (v.0.0.3)
Chapter 9 of Section 3 of the OAGIS specification. Defines domain values for the Load Ldgrbudget BOD
[Load Ldgrbudget Manifest](#) (v.0.0.3)
The purpose of the LOAD LDGRBUDGET Business Object Document is to transmit budget amounts from all possible source applications throughout an enterprise to a general ledger or budget application.
[OAG Segments](#) (v.0.0.3)
Appendix D of Section 4 of the OAGIS specification. Defines OAG Segment domain values.

XML Elements for Combat Support
[BSR](#) (v.0.0.3)
The BSR segment contains the fields used within the Control Area, (CNTRLAREA), to communicate the verb, noun and revision of the business service request of each BOD. This segment is identified as a logical grouping of these fields to identify the verb, noun, and revision.
[NOUN](#) (v.0.0.3)
The Noun indicates the object the service is to be performed on, such as G/L Journal Entry. The Noun can be thought of as the action item of the Business Service Request. The Noun is a ten-character field that is left justified with trailing blanks.
[REVISION](#) (v.0.0.3)
Revision is used to denote the version of the Business Service Request. The version is a three digit field, beginning with 001 and incremented each time the Business Service Request specification is changed.
[VERB](#) (v.0.0.3)
The Verb is the actual service to be performed. The Verb can be thought of as the action verb of the Business Service Request. The Verb is a ten-character field that is left justified with trailing blanks

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Information Resource Type: Document

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XML Registry
OAG Segments (0.0.3)

Definition: Appendix D of Section 4 of the OAGIS specification. Defines OAG Segment domain values.

Status: Developmental

NAMESPACE: Combat Support

Type: Document

Sec. Class: Unclassified

Effective Date: 21-Aug-00

Submitter: John Wunder

Comment: Section 4 Appendices for common domain values standard to all BODs

[View OAG Segments Documents](#)

Relationships

Package that defines this document.
[Load Ldgrbudget \(v.0.0.3\)](#)
The purpose of the LOAD LDGRBUDGET Business Object Document is to transmit budget amounts from all possible source applications throughout an enterprise to a general ledger or budget application.

Elements that are described by this document.
[BSR \(v.0.0.3\)](#)
The BSR segment contains the fields used within the Control Area, (CNTROLAREA), to communicate the verb, noun and revision of the business service request of each BOD. This segment is identified as a logical grouping of these fields to identify the verb, noun, and revision.

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Document Retrieved from Registry

http://shadow2/xmlreg/package_docs/CSS/Load%20Ldgrbudget/968868497511/OAGIS%20Section%204%20App - Microsoft Internet Explorer

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APPENDIX D - SEGMENT DESCRIPTIONS OAGIS RELEASE 6.2

APPENDIX D – SEGMENT DESCRIPTIONS

Segments are used to pass data that require multiple fields to be represented in character format. The following segments are used within the Business Object Document:

Segment	Size
Amount	57
BSR	23
CntrlArea	195
DateTime	33
OperAmt	87
Quantity	62
Sender	70
Temperature	53

Amount

The amount segment is used to communicate any monetary data between applications.



Searching by Namespace

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XML Registry

Search the Registry

Word or Phrase:

Case-Sensitive? ☐ (Check for YES)

Field to Search:

Namespace:

All

COE Enterprise

Messages

Combat Support

Aerospace Operations

General Military Intelligence

Geospatial and Imagery

Meteorological and Oceanographic

Tracks and Reports

Ground Operations

Finance and Accounting

Submitter:

Status:

Type:

Version:

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xmlregistry@igmm.com

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Searching by Phrase within Registry Fields

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DII COE DATA EMPORIUM

XML Registry

Search the Registry

Word or Phrase:

Case-Sensitive? ☐ (Check for YES)

Field to Search:

Namespace:

Submitter:

Status:

Type:

Version:

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xmlregistry@dm.com

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Searching by Submitter

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XML Registry

Search the Registry

Word or Phrase:

Case-Sensitive? ☐ (Check for YES)

Field to Search:

Namespace:

Submitter:

Duane Cramer

Glenda Hayes

Anna Kinne

Kirk Maskalenko

Rob Peabody

John Wunder

Status:

Type:

Version:

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XML Registry

Search the Registry


Word or Phrase:

Case-Sensitive? ☐ (Check for YES)

Field to Search:

Namespace:

Submitter:

Status: 

Type:

Version:

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Search the Registry

Word or Phrase:

Case-Sensitive? ☐ (Check for YES)

Field to Search:

Namespace:

Submitter:

Status:

Type:

Version:

- Document
- Domain Value Document
- Submission Package
- XML Attribute
- XML Element
- XML schema

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Word or Phrase:

Case-Sensitive? ☐ (Check for YES)

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Namespace:

Submitter:

Status:

Type:

Version:

All
0.0.3
1.0
1.0.0
1.0.16
1.0.9

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Registry Submission Form


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XML Registry

User Validation and Submission Form

Name of Zip file to be validated:
demo_package.zip Browse...

☐ Check here if you want to submit the package
(if validation succeeds)

Email Address:
(Fill in if you want a confirming email sent to you)

Validate Zip File Reset Form Values

Choose file

Look in: Local Disk (C:)

History Desktop My Documents My Computer My Network P...

BACKUP CFUSION DELL DISCOVER Documents and Settings DRIVERS ETUSR32 I386 Inetpub jdk1.2.2 kirk Oracle Program Files rick work vbroker WININT Working xmlreg demo_package

File name: demo_package Open



Errors in Submission Package


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DIJ COE DATA EMPORIUM

XML Registry

Data Emporium XML Registry

Parse and Validation Results for Zip File:
[C:/demo_package.zip](#)

ERROR Resource Type = Package Name = DMDSCV_Package Namespace = AOP Version = 1.0.0
Information resource already exists in the XML registry database
See Lines 26 through 33

INFO Sorry, your package contains errors! Please correct the errors and resubmit!

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Registry Administrative Control

